What is claimed is:

1. A status detection system to detect an object status, comprising:

one or more communication devices, each of which has a wireless communication capability to communicate with a plurality of communication nodes;

an information collecting means to collect an information of communication nodes distribution, which was received by said communication device; and

a status information generating means to generate a status information of said object from said collected information of communication nodes distribution.

2. A surveillance system to survey an object status, comprising:

one or more communication devices, each of which has a wireless communication capability to communicate with a plurality of communication nodes;

an information collecting means to collect an information of communication nodes distribution, which was received by said communication device;

a status information generating means to generate a status information of said object from said collected information of communication nodes distribution;

an initial status recording means to record said status information generated by said status information generating means as an initial status information; and

a comparison means to compare a current status information generated by said status information generating means with said initial status information obtained from said initial status recording means, and output the comparison result.

3. An identification system to identify an object status, comprising:

one or more communication devices, each of which has a wireless communication capability to communicate with a plurality of communication nodes;

an information collecting means to collect an information of communication nodes distribution, which was received by said communication device;

a status information generating means to generate a status information of said object from said collected information of communication nodes distribution;

a registration means to send and register said status information generated by said status information generating means in a remote center, said status information being registered as a characteristic information which represents said object status;

a status recording means provided in the object to record said characteristic information; and

a comparison means to compare said characteristic information registered in said remote center with said characteristic information recorded in said status recording means, and output the comparison result.

4. A communication network system having a plurality of communication nodes which comprise a plurality of wireless communication devices installed in an object to be surveyed, each communication node generating a cost data for conveying a message to the other nodes by communicating with the neighboring nodes provided in said communication network system by means of the self-organizing, wherein at least one of said plurality of communication devices, comprising:

a cost data collecting means to collect said cost data for conveying a message provided in each communication node; and

a status generation means to generate a status information of said object to be surveyed by said cost data of each communication node collected by said cost data collecting means, said status information representing the entire relationship between said plurality of communication nodes provided in said communication network system.

5. A surveillance system to survey an object, provided in a communication network system having a plurality of communication nodes which comprise a plurality of wireless communication devices installed in the object, each communication node generating a cost data for conveying a message to the other nodes by communicating with the neighboring nodes provided in said communication network system by means of the self-organizing, wherein at least one of said plurality of communication devices, comprising:

a cost data collecting means to collect said cost data for conveying a message provided in each communication node;

a status information generation means to generate a status information of said object to be surveyed by said cost data of each communication node collected by said cost data collecting means, said status information representing the entire relationship between said plurality of communication nodes provided in said communication network system;

a status recording means provided in the object to record said status information generated by said status generation means as an initial status information at predetermined timing; and

a comparison means to compare a current status information generated said status generation means with said initial status information output from said status recording means.

6. An identification system to identify an object provided in a communication network system having a plurality of communication nodes which comprise a plurality of wireless communication devices installed in the object, each communication node generating a cost data for conveying a message to the other nodes by communicating with the neighboring nodes provided in said communication network system by means of the self-organizing, wherein at least one of said plurality of communication devices, comprising:

a cost data collecting means to collect said cost data for conveying a message provided in each communication node;

a status information generation means to generate a status information of said object to be surveyed by said cost data of each communication node collected by said cost data collecting means, said status information representing the entire relationship between said plurality of communication nodes provided in said communication network system;

a registration means to send and register said status information generated at predetermined timing by said status information generating means in a remote center, said status information being registered as a characteristic information which represents said object status; and

a comparison means to compare said characteristic information recorded in said status recording means with said characteristic information registered in said remote center, and output the comparison result.

7. A surveillance system to survey an object, provided in a communication network system having a plurality of communication nodes which comprise a plurality of wireless communication devices installed in the object, each communication node generating a cost data for conveying a message to the other nodes by communicating with the neighboring nodes provided in said communication network

system by means of the self-organizing, wherein all of said plurality of communication devices, comprising:

a cost data collecting means to collect said cost data for conveying a message provided in each communication node;

a status information generation means to generate a status information of said object to be surveyed by said cost data of each communication node collected by said cost data collecting means, said status information representing the entire relationship between said plurality of communication nodes provided in said communication network system; and

an abnormal detection means to detect an abnormality by comparing own status information of said object to be surveyed and said status information owned by other communication nodes, and if the abnormality detected, process a predetermined abnormal processing.

8. A status detection system to detect an object status, comprising:

a communication device which is provided on the object and has a wireless communication capability to communicate with a plurality of communication nodes;

a position data collecting means to collect a position data of each communication node detected from said communication device; and

a time/space position recording means to generate a time/space position data of the object, which consists of time and position, by said position data of each communication node obtained from said position data collecting means, and record said time/space position data in time array.